

AMENDMENTS TO THE CLAIMS

1-25 (Cancelled)

26. (Previously Presented)

1 A child-resistant package that includes:

2 a container having a cylindrical finish with an open end, at least one external
3 thread including a first end adjacent to said open end and a second end spaced from said
4 open end, and at least one external lug separate from said at least one external thread and
5 projecting radially outwardly from said finish adjacent to and circumferentially spaced from
6 said second end of said thread remote from said open end, and

7 a closure having a base wall, a skirt with at least one internal thread for
8 engagement with said at least one external thread on said finish, at least one pair of
9 internal lugs on said skirt adjacent to an end of said internal thread remote from said base
10 wall, and at least one spring element for engaging said open end of said finish to bias said
11 closure axially of said finish,

12 said at least one external lug on said container finish having an axially
13 oriented cam face that slopes in a clockwise direction away from said open end,

14 said at least one pair of internal lugs on said closure skirt having a first lug
15 with an axially oriented cam face that slopes toward said base wall such that threading said
16 closure onto said finish in a clockwise direction causes said first lug on said skirt to cam
17 axially away from said open end relative to said at least one external lug on said finish by
18 compression of said at least one spring element,

19 said at least one pair of internal lugs also having a second lug that engages
20 said at least one external lug on said container finish when said closure is fully received
21 on said container finish to limit clockwise rotation of said closure relative to said container
22 finish,
23 wherein said closure skirt has a stepped profile that includes a first portion
24 on which said at least one internal thread is disposed and a second portion being
25 connected to said first portion by inner and outer shoulders of said closure skirt and
26 terminating at a skirt open end opposite of said base wall and being stepped to extend
27 radially outwardly from said first portion and having an outer diameter larger than that of
28 said first portion and having an inner diameter larger than that of said first portion on which
29 said at least one pair of internal lugs is disposed, and said first lug is positioned proximate
30 and just axially above said skirt open end and said second lug is positioned proximate and
31 just axially below said inner shoulder of said closure skirt.

27-28 (Cancelled)

29. (Previously Presented)

1 The package of claim 26 wherein said at least one external lug on said
2 container finish includes a clockwise extending flange, and said flange includes a generally
3 planar surface facing away from said open end, and said first lug on said skirt has a
4 complementarily oriented surface adapted to be received closely adjacent to said generally
5 planar surface of said flange to inhibit axial displacement of said first lug on said skirt in a
6 direction toward said open end of said container finish.

30. (Previously Presented)

1 A closure for a child-resistant package, including:
2 a base wall,
3 a skirt with at least one internal thread adapted for engagement with at least
4 one external thread on a container finish,
5 at least one pair of internal lugs on said skirt spaced from said at least one
6 internal thread and extending radially inwardly from said skirt, and
7 at least one spring element carried by one of said base wall or said skirt,
8 said at least one pair of internal lugs on said skirt including a first lug for
9 cooperating with a stop lug on the container finish to prevent unthreading of said closure
10 from the container finish absent pressure on said closure against said spring element to
11 push said first lug on said skirt beneath the stop lug on the container finish, and a second
12 lug circumferentially spaced from said first lug for cooperating with the stop lug on the
13 container finish to limit the threading of said closure onto the container finish,

14 wherein said closure skirt has a stepped profile that includes a first portion
15 on which said at least one internal thread is disposed and a second portion being
16 connected to said first portion by inner and outer shoulders of said closure skirt and
17 terminating at a skirt open end opposite of said base wall and being stepped to extend
18 radially outwardly from said first portion and having an outer diameter larger than that of
19 said first portion and having an inner diameter larger than that of said first portion on which
20 said internal lugs are disposed, and said first lug being positioned proximate and just
21 axially above said skirt open end and said second lug being positioned proximate and just
22 axially below said inner shoulder of said closure skirt, and

23 wherein said first lug includes an axially oriented cam face that slopes toward
24 said base wall such that threading said closure onto the container finish causes said first
25 lug on said closure skirt to cam axially away from an open end of the container finish
26 relative to the stop lug on the container finish by compression of the spring element.

31. (Previously Presented)

1 The closure of claim 30 wherein the first lug has a stop surface facing one
2 direction and the second lug has a stop surface facing generally in the opposite direction
3 of said one direction so that the stop lug limits rotation of the closure in opposite directions.

32. (Original)

1 The closure of claim 31 wherein the stop surface of the first lug faces
2 counterclockwise and the stop surface of the second lug faces clockwise.

33. (Previously Presented)

1 The closure of claim 30 wherein said cam face extends circumferentially and
2 is inclined axially.

34. (Previously Presented)

1 The closure of claim 30 wherein said cam face extends circumferentially and
2 is inclined radially.

35. (Original)

1 The closure of claim 30 wherein said at least one spring element includes a
2 plurality of circumferentially spaced spring segments, each spring segment being
3 cantilevered to at least one of the base wall and the skirt and having a free end that is
4 flexible and resilient.

36-39. (Cancelled)

40. (Previously Presented)

1 A child-resistant package that includes:
2 a container having a cylindrical finish with an open end, at least one external
3 thread including a first end adjacent to said open end and a second end spaced from said
4 open end, and at least one external lug separate from said external thread and disposed
5 on a side of said external thread opposite said open end and circumferentially spaced
6 from said second end of said external thread, and

7 a closure having a base wall, and a skirt having a stepped profile that
8 includes a first portion with at least one internal thread for engaging said at least one
9 external thread on said finish and a second portion being connected to said first portion by
10 inner and outer shoulders of said closure skirt and terminating at a skirt open end opposite
11 of said base wall and being stepped to extend radially outwardly from said first portion and
12 having an outer diameter larger than that of said first portion and having an inner diameter
13 larger than that of said first portion, a spring element for urging said closure away from said
14 finish, and at least one pair of internal lugs separate from said internal thread,

15 said at least one pair of internal lugs on said skirt being carried on said
16 second portion adjacent to but circumferentially spaced from each other, and being
17 comprised of a trailing internal lug and a leading internal lug disposed clockwise of said
18 trailing internal lug as viewed from above said package, said leading internal lug being
19 positioned proximate and just axially above said skirt open end and said trailing internal lug
20 being positioned proximate and just axially below said inner shoulder,

21 there being one pair of internal lugs on said skirt for each external lug on said
22 finish, said leading internal lug having an axially oriented cam face sloping toward said
23 base wall such that threading said closure onto the container finish causes said leading
24 internal lug on said closure skirt to cam axially away from the open end of the container
25 finish relative to said external lug on said container finish by compression of the spring
26 element such that said leading internal lug cams over said external lug as said closure is
27 threaded onto said finish against a force supplied by said spring element to said finish until
28 said external lug on said finish is received between said at least one pair of internal lugs

29 on said skirt and said trailing internal lug on said skirt engages said external lug to prevent
30 further threading of said closure onto said finish,

31 removal of said closure from said finish requiring urging said closure onto
32 said finish against the force of said spring element until said leading internal lug on said
33 skirt is disposed beneath said external lug and permits unthreading of said closure from
34 said finish,

35 wherein said external lug on said finish has a cam face that is inclined away
36 from said open end for engagement by said cam face of said leading internal lug on said
37 skirt to pull said closure against said spring element as said closure is threaded onto said
38 finish and said leading internal lug is cammed over said external lug, and

39 wherein said external lug includes a body and a flange circumferentially
40 extending from said body away from said cam surface and disposed so that said leading
41 internal lug on said skirt will be received in a pocket formed between said body and said
42 flange.

41. (Previously Presented)

1 The package set forth in claim 40 wherein said spring element and said
2 closure are of one-piece integrally molded plastic construction.

42. (Previously Presented)

1 The package set forth in claim 41 wherein said spring element is a
2 circumferentially segmented annular spring element.

43 - 47. (Cancelled)

48. (Previously Presented)

1 The package set forth in claim 40 wherein spacing between said leading and
2 trailing internal lugs is insufficient to permit passage of said external lug between said
3 internal lugs.

49-50. (Cancelled)

51. (Previously Presented)

1 A child-resistant package that includes:
2 a container having a cylindrical finish with an open end, at least one external
3 thread, and at least one external lug separate from said external thread and disposed on
4 a side of said external thread opposite said open end, and
5 a closure having a skirt with at least one internal thread for engaging said at
6 least one external thread on said finish, a spring element for urging said closure away from
7 said finish, and at least one pair of internal lugs separate from said internal thread,
8 said pair of internal lugs on said skirt being adjacent to but circumferentially
9 spaced from each other, and being comprised of a trailing internal lug and a leading
10 internal lug disposed clockwise of said trailing internal lug as viewed from above said
11 package,
12 there being one pair of internal lugs on said skirt for each external lug on said
13 finish, said leading internal lug having a cam face for camming said leading internal lug

14 over said external lug as said closure is threaded onto said finish against a force supplied
15 by said spring element to said finish until said external lug on said finish is received
16 between said internal lugs on said skirt and said trailing internal lug on said skirt engages
17 said external lug to prevent further threading of said closure onto said finish,

18 removal of said closure from said finish requiring urging said closure onto
19 said finish against the force of said spring element until said leading internal lug on said
20 skirt is disposed beneath said external lug and permits unthreading of said closure from
21 said finish,

22 wherein said external lug extends radially outwardly from said cylindrical
23 finish of said container and includes a cam surface defined by a generally circumferentially
24 and axially extending peripheral face,

25 wherein as said closure is rotated clockwise onto said finish of said container,
26 said leading internal lug engages said external lug prior to said closure being fully received
27 on said finish, such that engagement of said cam face with said cam surface of said
28 external lug circumferentially stretches said closure skirt, and continued rotation of said
29 closure causes said leading internal lug to cam radially over said external lug, and further
30 rotation of said closure is limited by engagement of said external lug with said trailing
31 internal lug,

32 wherein counterclockwise rotation of said closure absent application of an
33 axial force to said closure results in engagement of said leading internal lug with said
34 external lug, and removal of said closure from said container includes application of axial
35 force to said closure to move said leading internal lug axially beneath said external lug to
36 allow said closure to be rotated counterclockwise.

52. (Cancelled)

53. (Previously Presented)

1 A child-resistant package that includes:

2 a container having a cylindrical finish with an open end, at least one external
3 thread including a first end adjacent to said open end and a second end spaced from said
4 open end, and at least one external lug separate from said external thread and disposed
5 on a side of said external thread opposite said open end and being circumferentially
6 spaced from said second end of said external thread, and

7 a closure having a base wall, and a skirt having a stepped profile including
8 a first portion with at least one internal thread for engaging said at least one external thread
9 on said finish and a second portion being connected to said first portion by inner and outer
10 shoulders of said closure skirt and terminating at a skirt open end opposite of said base
11 wall and being stepped to extend radially outwardly from said first portion and having an
12 outer diameter larger than that of said first portion and having an inner diameter larger than
13 that of said first portion, a spring element for urging said closure away from said finish, and
14 at least one pair of internal lugs separate from said internal thread and being carried on
15 said second portion,

16 said at least one pair of internal lugs on said skirt being adjacent to but
17 circumferentially spaced from each other, and being comprised of a trailing internal lug and
18 a leading internal lug disposed clockwise of said trailing internal lug as viewed from above
19 said package, and said leading internal lug being positioned proximate and just axially

20 above said skirt open end and said trailing internal lug being positioned proximate and just
21 axially below said inner shoulder of said closure skirt

22 there being one pair of internal lugs on said skirt for each external lug on said
23 finish, said leading internal lug having an axially oriented cam face sloping toward said
24 base wall such that threading said closure onto the container finish causes said leading
25 internal lug on said closure skirt to cam axially away from the open end of the container
26 finish relative to said external lug on said container finish by compression of the spring
27 element such that said leading internal lug cams over said external lug as said closure is
28 threaded onto said finish against a force supplied by said spring element to said finish until
29 said external lug on said finish is received between said at least one pair of internal lugs
30 on said skirt and said trailing internal lug on said skirt engages said external lug to prevent
31 further threading of said closure onto said finish,

32 removal of said closure from said finish requiring urging said closure onto
33 said finish against the force of said spring element until said leading internal lug on said
34 skirt is disposed beneath said external lug and permits unthreading of said closure from
35 said finish.

54. (Currently Amended)

1 A closure for a child-resistant package, including:

2 a base wall, and

3 a skirt extending from said base wall and having a stepped profile that

4 includes:

5 a first portion on which is disposed at least one internal thread, and

6 a second portion being connected to said first portion by inner and
7 outer shoulders, terminating at a skirt open end opposite of said base wall, being stepped
8 to extend radially outwardly from said first portion, and having:

9 an outer diameter larger than that of said first portion, and
10 an inner diameter larger than that of said first portion and on
11 which is disposed at least one pair of internal lugs extending radially inwardly and
12 including:

13 a first lug positioned proximate and just axially above
14 said skirt open end, and

15 a second lug circumferentially spaced from said first lug
16 and positioned proximate and just axially below said inner shoulder of said closure skirt,
17 and

18 at least one spring element extending from at least one of said base wall or
19 said skirt for urging said closure away from a container,

20 wherein said at least one internal thread is adapted for engagement with at
21 least one external thread of the container,

22 wherein said first lug is adapted for cooperation with a stop lug on the
23 container to prevent unthreading of said closure from the container absent pressure on
24 said closure against said spring element to push said first lug on said skirt beneath the stop
25 lug on the container,

26 wherein said second lug is adapted for cooperation with the stop lug on the
27 container to limit the threading of the closure onto the container, and

28 wherein said spring element includes a plurality of circumferentially spaced
29 spring segments, and said closure also includes a plurality of axially extending spring stops
30 to limit flexing of said spring element.

55-57 (Cancelled)

58. (Currently Amended)

1 ~~The package set forth in claim 54~~ A closure for a child-resistant package,
2 including:
3 a base wall, and
4 a skirt extending from said base wall and having a stepped profile that
5 includes:
6 a first portion on which is disposed at least one internal thread, and
7 a second portion being connected to said first portion by inner and
8 outer shoulders, terminating at a skirt open end opposite of said base wall, being stepped
9 to extend radially outwardly from said first portion, and having:
10 an outer diameter larger than that of said first portion, and
11 an inner diameter larger than that of said first portion and on
12 which is disposed at least one pair of internal lugs extending radially inwardly and
13 including:
14 a first lug positioned proximate and just axially above
15 said skirt open end, and

